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## PATENT ABSTRACTS OF JAPAN

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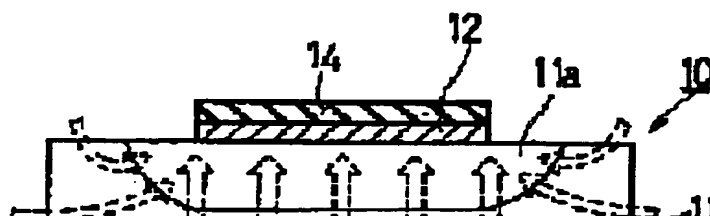
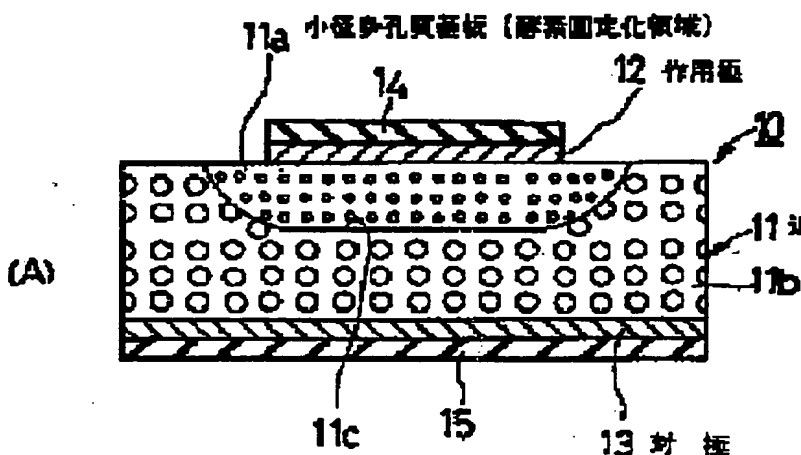
## (54) BIOSENSOR

(57) Abstract:

PURPOSE: To provide a biosensor by which a measurement can be performed quickly and stably.

CONSTITUTION: A working electrode 12 is formed on the surface of a continuous porous substrate 11, a counter electrode 13 is formed on the rear, and the continuous porous substrate 11 is formed in such a way that a small-diameter porous substrate 11a having a pore diameter of about  $0.2\mu\text{m}$  and a large-diameter porous substrate 11b having a pore diameter of about  $100\mu\text{m}$  are bonded. A biosensor is constituted in such a way that an enzyme is immobilized inside the small-diameter porous substrate 11a and that no enzyme is immobilized inside the large-diameter porous substrate 11b. By this constitution, a liquid specimen creeps quickly into the large-diameter porous substrate 11b, and the liquid specimen creeps uniformly from the circumference of the small-diameter porous substrate 11a, and a substrate concentration can be measured quickly and stably.

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